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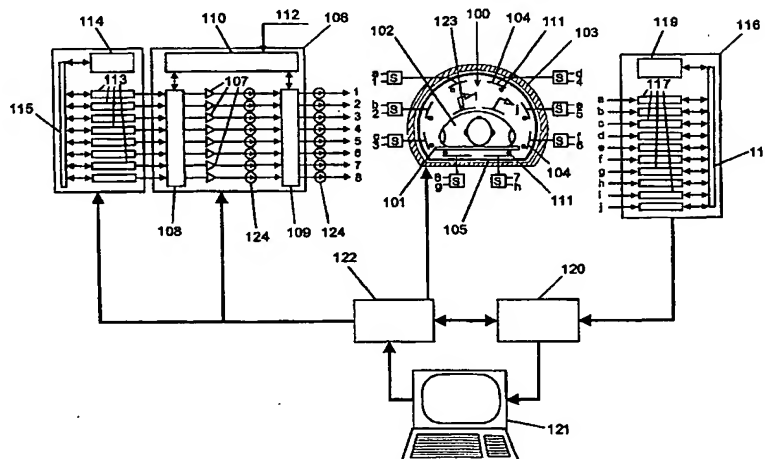
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(54) Title: HIGH-FREQUENCY SYSTEM FOR AN MR APPARATUS WITH MULTIPLE TRANSMIT CHANNELS



(57) Abstract: The invention relates to a high-frequency system for an MR apparatus with a high-frequency coil arrangement comprising a plurality of resonator elements (104), which is connected to a transmit unit (106), where a respective transmit channel (1-8) of the transmit unit (106) is assigned to the resonator elements (104). In order to provide a high-frequency system of this kind at low cost, by means of which a high frequency field can be generated in an examination volume (100) with a field distribution that can be preselected flexibly and variably, the invention proposes that the transmit unit (106) is equipped with a plurality of high-frequency amplifiers (107), the inputs of which can receive low-power transmit signals via a first controllable multiplexer/distributor network (108), in which the output signals of the high-frequency amplifiers (107) can be distributed over the transmit channels (1-8) via a second controllable multiplexer/distributor network (109). In addition, the invention relates to an MR apparatus with a high-frequency system of this kind.

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